result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:23:12 ON 20 NOV 2006

=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:23:22 ON 20 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 NOV 2006 HIGHEST RN 913611-00-4
DICTIONARY FILE UPDATES: 19 NOV 2006 HIGHEST RN 913611-00-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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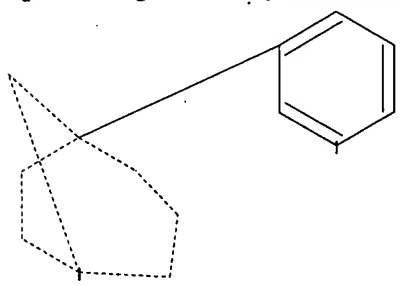
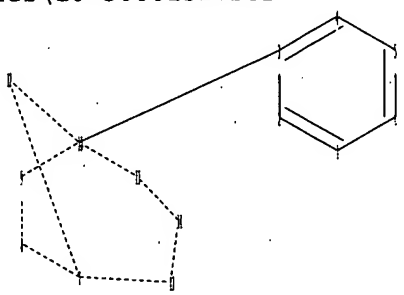




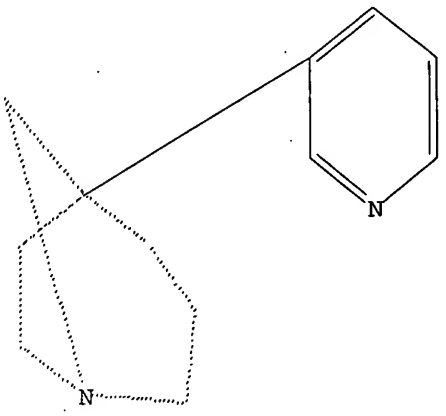
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
3-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 7-13 8-9 9-10 10-11 10-12 11-14 13-14
exact/norm bonds :
7-8 7-12 7-13 8-9 9-10 10-11 10-12 11-14 13-14
exact bonds :

3-10
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
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FULL SCREEN SEARCH COMPLETED - 93 TO ITERATE

100.0% PROCESSED 93 ITERATIONS 70 ANSWERS
SEARCH TIME: 00.00.01

L2 70 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 14:24:04 ON 20 NOV 2006
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FILE COVERS 1907 - 20 Nov 2006 VOL 145 ISS 22
FILE LAST UPDATED: 19 Nov 2006 (20061119/ED)

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=> s l2
L3 1 L2

=> d fbib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:534333 CAPLUS
DN 139:101039
TI Derivatives of 5-(pyridin-3-yl)-1-azabicyclo[3.2.1]octane, their preparation, and their application in therapy as nicotinic receptor ligands for treatment of CNS disorders
IN Galli, Frederic; Leclerc, Odile; Lochead, Alistair
PA Sanofi-Synthelabo, Fr.
SO Fr. Demande, 20 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2834511	A1	20030711	FR 2002-109	20020107
FR 2834511	B1	20040213		
CA 2471628	AA	20030717	CA 2003-2471628	20030103
			FR 2002-109 A	20020107
			WO 2003-FR4 W	20030103
WO 2003057697	A1	20030717	WO 2003-FR4	20030103
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			FR 2002-109 A	20020107
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			FR 2002-109 A	20020107
			WO 2003-FR4 W	20030103
EP 1465893	A1	20041013	EP 2003-712202	20030103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
			FR 2002-109 A	20020107
			WO 2003-FR4 W	20030103
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			WO 2003-FR4 W	20030103
CN 1612876	A	20050504	CN 2003-801987	20030103
			FR 2002-109 A	20020107
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			FR 2002-109 A	20020107
			WO 2003-FR4 W	20030103
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			FR 2002-109 A	20020107
			WO 2003-FR4 W	20030103
NO 2004002846	A	20040921	NO 2004-2846	20040705
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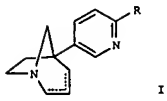
			WO 2003-FR4 A	20030103

OS MARPAT 139:101039
GI

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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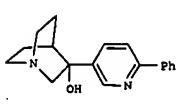

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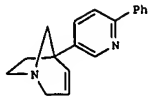

III

AB Title compds. I and their acid addition salts are disclosed [wherein: R = halo, a Ph group (substituted by one or more groups chosen from halo, C1-6 alkyl or alkoxy, NO2, amino, CF3, cyano, OH, acetyl, or methylenedioxy), pyridinyl, thienyl, indolyl, or pyrimidinyl (possibly substituted by one or more C1-6 alkoxy); dashed bonds = one single bond and another single or double bond). The compds. are useful as pharmaceuticals, particularly as CNS agents, and specifically as ligands of nicotinic receptors. The compds. were tested against nicotinic receptors with the α4β2 subunit, or with the α7 subunit. Four synthetic examples and a list of 35 specific compds. (as either di- or tri-HBr or 1:1 oxalate salts) are given. For instance, 2,5-dibromopyridine was arylated in the 2-position by PhB(OH)2 using Pd(PPh3)4 catalyst, and the resultant 5-bromo-2-phenylpyridine was lithiated with BuLi and treated with 1-azabicyclo[2.2.2]octan-3-one to give the bicyclic alc. II. Dehydration and rearrangement of II by heating with MeSO3H at 180° gave invention compound III, isolated as the di-HBr salt. In tests for specific binding to isolated rat cerebral nicotinic receptors having either α4β2 or α7 subunits, compds. I had IC50 values in the ranges of 0.01-10 μM and 0.005-20 μM, resp. Some compds. showed selectivity for the α7 receptor subtype.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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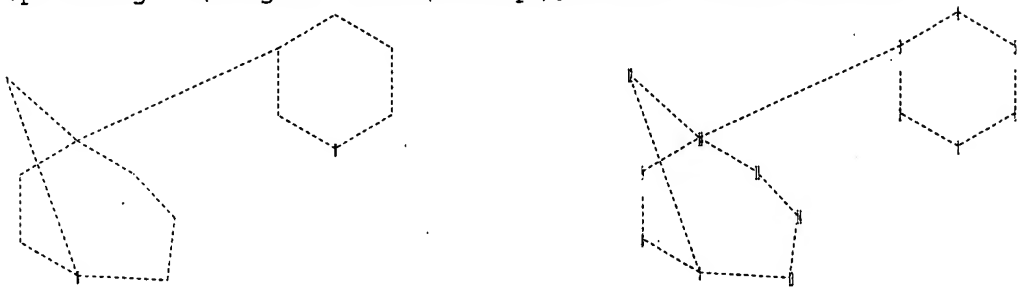
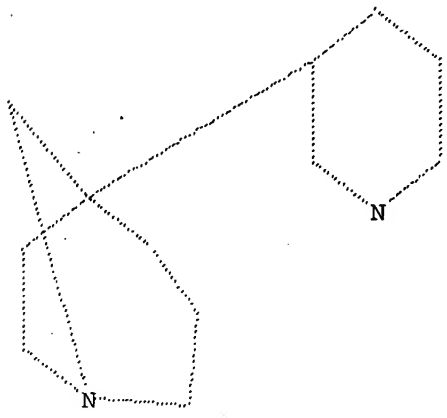


ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
3-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 7-13 8-9 9-10 10-11 10-12 11-14
13-14
exact/norm bonds :
1-2 1-6 2-3 3-4 3-10 4-5 5-6 7-8 7-12 7-13 8-9 9-10 10-11 10-12 11-14
13-14

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l4 ful
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Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.



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FULL SCREEN SEARCH COMPLETED -      403 TO ITERATE

100.0% PROCESSED      403 ITERATIONS                          70 ANSWERS
SEARCH TIME: 00.00.01

L5            70 SEA SSS FUL L4


L6            1 L5

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=> d bib
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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:534333 CAPLUS
DN 139:101039
TI Derivatives of 5-(pyridin-3-yl)-1-azabicyclo[3.2.1]octane, their preparation, and their application in therapy as nicotinic receptor ligands for treatment of CNS disorders
IN Galli, Frederic; Leclerc, Odile; Lochead, Alistair
PA Sanofi-Synthelabo, Fr.
SO Fr. Demande, 20 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2834511	A1	20030711	FR 2002-109	20020107
	FR 2834511	B1	20040213		
	CA 2471628	AA	20030717	CA 2003-2471628	20030103
	WO 2003057697	A1	20030717	WO 2003-FR4	20030103
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	AU 2003216777	A1	20030724	AU 2003-216777	20030103
	EP 1465893	A1	20041013	EP 2003-712202	20030103
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
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	CN 1612876	A	20050504	CN 2003-801987	20030103
	JP 2005514422	T2	20050519	JP 2003-558012	20030103
	US 2005020568	A1	20050127	US 2004-500015	20040623
	NO 2004002846	A	20040921	NO 2004-2846	20040705
PRAI	FR 2002-109	A	20020107		
	WO 2003-FR4	W	20030103		

OS MARPAT 139:101039
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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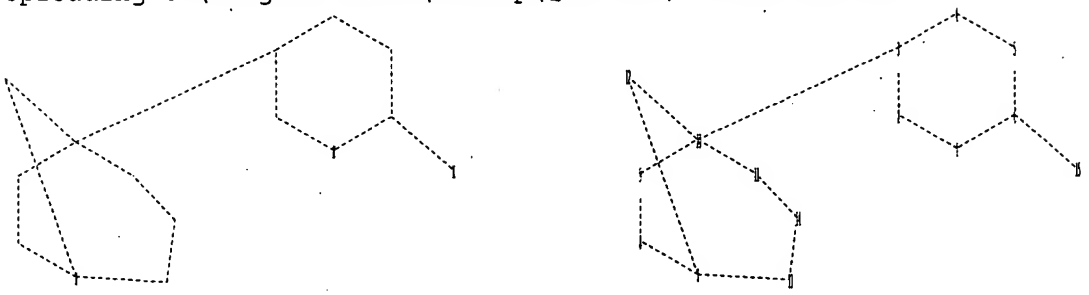
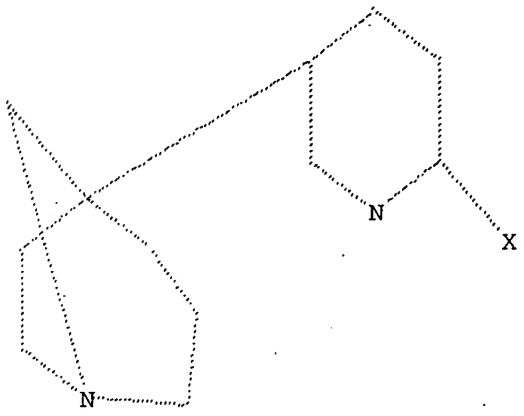


chain nodes :
15
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
3-10 6-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 7-13 8-9 9-10 10-11 10-12 11-14
13-14
exact/norm bonds :
1-2 1-6 2-3 3-4 3-10 4-5 5-6 6-15 7-8 7-12 7-13 8-9 9-10 10-11 10-12
11-14 13-14

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS

L7 STRUCTURE UPLOADED

=> d
L7 HAS NO ANSWERS
L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l7 ful
REGistRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 14:45:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L8 4 SEA SSS FUL L7

L9 1 L8

=> d bib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:534333 CAPLUS
DN 139:101039
TI Derivatives of 5-(pyridin-3-yl)-1-azabicyclo[3.2.1]octane, their preparation, and their application in therapy as nicotinic receptor ligands for treatment of CNS disorders
IN Galli, Frederic; Leclerc, Odile; Lochead, Alistair
PA Sanofi-Synthelabo, Fr.
SO Fr. Demande, 20 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2834511	A1	20030711	FR 2002-109	20020107
	FR 2834511	B1	20040213		
	CA 2471628	AA	20030717	CA 2003-2471628	20030103
	WO 2003057697	A1	20030717	WO 2003-FR4	20030103
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	EP 1465893	A1	20041013	EP 2003-712202	20030103
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	US 2005020568	A1	20050127	US 2004-500015	20040623
	NO 2004002846	A	20040921	NO 2004-2846	20040705
PRAI	FR 2002-109	A	20020107		
	WO 2003-FR4	W	20030103		

OS MARPAT 139:101039
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT